GOES R
End-To-End Ground System
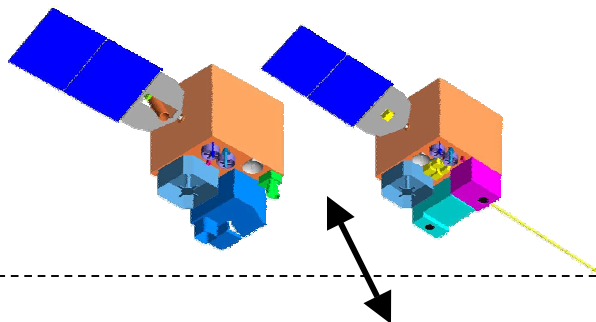Task 2 – C³ Systems
Task 3 – PGD, AA, User Interface

Les Shipley

November 18, 2003

End-to-End Overview

Ground System Functions

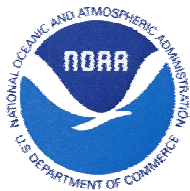Uplink & Downlink

Spacecraft Operations

Data Handling

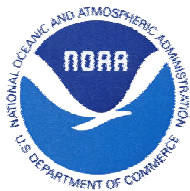Product Production

Data Distribution

Archive and Access

Users

Plan

- Develop Concept of Operations and Architecture
  - Allocate functions to ground elements
  - Incorporate BAA findings
- Acquisition plans
- Implementation and Test
- Operation and Sustainment

Goals

EFFICIENT

    Interface Management, Operational Functionality,
Evolving Requirements and Technology

TIMELY

    Latency, Maintenance, Implementation, Failure Recovery

SECURE

    Data Security, Access Controls, Physical Security

COST SAVINGS

    Design, Implementation, Operations, Maintenance, Expansion